

FY '15 Crane Accident Near Miss Summary



| <i>NCC Report #</i> | <i>Acc Date</i> | <i>Crane Type</i> | <i>CAT</i> | <i>Accident Type</i> | <i>LOH</i> | <i>Description</i> | <i>Cause</i> |
|-------------------------|-----------------|-----------------------|------------|--------------------------|------------|--|--------------------------------|
| 15-CANM-006 | 10/1/2014 | BRIDGE | 2 | Near Miss | N | A sling assembly for a thrust motor was attached (bolted) onto the motor in the wrong orientation. The deficiency was identified prior to the lift being accomplished. | Improper Rigging |
| 15-CANM-007 | 10/2/2014 | TELESCOPI NG | 1 | Near Miss | Y | Ship personnel transited a personnel brow prior to the brow being properly placed. | Personnel Error: Other |
| 15-CANM-023 | 10/6/2014 | MONORAIL | 3 | Near Miss | N | Wire rope on a category 3 crane was found miss-spooled. Identified by NAVFAC SE | Improper Operation |
| 15-CANM-015 | 10/7/2014 | BRIDGE | 2 | Near Miss | N | After disconnecting a load, the rigger released the rigging gear allowing a 2" shackle to swing freely in the rigging almost striking another worker. | Personnel Error: Rigger |
| 15-CANM-019 | 10/8/2014 | BRIDGE | 3 | Near Miss | N | During annual maintenance clearance checks on a category 3 crane, various overhead crane clearance violations were identified. | Inadequate Crane Inspection |
| 15-CANM-016 | 10/9/2014 | MOBILE | 1 | Near Miss | N | During preparations to load test a mobile crane, the main hoist wire rope miss-spoiled when the weight of the wire rope overcame the opposing weight of the hoist block. | Improper Operation |
| 15-CANM-025 | 10/9/2014 | BRIDGE | 2 | Near Miss | N | During inspection, a category 2 bridge crane's hoist drum wire rope was found miss-spoiled. | Improper Operation |
| 15-CANM-043 | 10/14/2014 | BRIDGE | 3 | Near Miss | N | During work on a suspended load, employees were observed with portions of their body un-necessarily under the load. | Poor Risk Mitigation |
| 15-CANM-002 | 10/18/2014 | BRIDGE | 3 | Near Miss | N | During a pre-use inspection, the hook latch retaining nut on a Cat 3 crane hook was identified as missing. | Improper Assembly of Component |
| 15-CANM-012 | 10/22/2014 | PORTAL | 1 | Near Miss | N | A section of pipe was found lying adjacent to the portal crane track flange. | Inadequate Crane Inspection |
| 15-CANM-001 | 10/24/2014 | PORTAL | 1 | Near Miss | N | A light bulb on a portal crane fell from the gantry platform mounting fixture during no-load crane travel. | Procedural Failure |
| 15-CANM-010 | 10/24/2014 | PORTAL | 1 | Near Miss | N | During repositioning of a ship's brow, the brow support stand was identified to be unsecured to the dry dock bull railing. | Improper Assembly of Component |
| 15-CANM-003 | 10/27/2014 | BRIDGE | 3 | Near Miss | N | Wire rope on a Cat 3 crane hoist was found miss-spooled. | Improper Operation |
| 15-CANM-004 | 10/27/2014 | BRIDGE | 3 | Near Miss | N | An abandoned communication wire was found draped over a Cat 3 crane trolley rail. | Improper Facility Maintenance |

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| 15-CANM-008 | 10/27/2014 | BRIDGE | 2 | Near Miss | Y | Two category 2 bridge cranes were found with the hoist wire rope miss-spoiled on the hoist drum. Investigation determined that the miss-spool condition on both cranes resulted from improper operation on the previous shift by the same operator. | Improper Operation |
| 15-CANM-013 | 10/27/2014 | MOBILE | 1 | Near Miss | Y | After directing a crane to lower a ballast canister and prior to load movement, stop bolts, which should have been removed, were observed to be installed. An all-stop was given and no movement of the load occurred. | Inadequate Inspection of Load |
| 15-CANM-018 | 10/27/2014 | | | Near Miss | | A tank's lift sketch did not accurately consider the appropriate capacity sling angle downgrades for tank lifts at or above 90 percent full situations. | Inadequate Technical Support |
| 15-CANM-009 | 10/28/2014 | BRIDGE | 3 | Near Miss | Y | A component was lifted using swivel hoist rings that were not torqued IAW procedural requirements. | Improper Rigging |
| 15-CANM-005 | 10/28/2014 | BRIDGE | 3 | Near Miss | Y | During a lift of a reduction gear, the following discrepancies were identified: a safety observer was not used to prevent personnel from being within the loads travel path, stowing fasteners were not attached to the load, and lateral support brackets were removed which would have minimized load swinging, and a worker placed himself under the load. | Improper Operation |
| 15-CANM-027 | 10/28/2014 | PORTAL | 1 | Near Miss | Y | The load chain of a chain fall interfered with a threaded fastener on the load. Supervision directed the load to be re-rigged to eliminate the interference. | Improper Rigging |
| 15-CANM-021 | 10/30/2014 | MOBILE | 1 | Near Miss | N | During load test of a mobile crane, a portable access ladder was inadvertently left extended against the rear of the crane during crane rotation. Oversight personnel observed the condition and directed an all stop that prevented damage | Inadequate Crane Inspection |
| 15-CANM-011 | 11/1/2014 | MOBILE | 1 | Near Miss | Y | During preparations to lift an antenna, personnel identified a horizontal locking pin which was inadvertently left installed. | Poor Risk Mitigation |
| 15-CANM-028 | 11/3/2014 | MOBILE | 1 | Near Miss | Y | During off load of a refrigeration unit, the crane team briefed and accepted potential contact with a set of trailer stanchions; however, these stanchions could have been easily removed thus eliminating the potential risk. | Poor Risk Mitigation |
| 15-CANM-045 | 11/3/2014 | MOBILE | 1 | Near Miss | Y | During a lift where a trainee was operating the crane, the trainee failed to correctly follow the direction of the signal person and moved the load in an undesirable direction. | Personnel Error: Operator |
| 15-CANM-031 | 11/5/2014 | JIB | 3 | Near Miss | Y | The wire rope on a category 3 crane was found miss-spoiled during the ODCL. | Improper Operation |
| 15-CANM-020 | 11/6/2014 | BRIDGE | 3 | Near Miss | N | During operational test of a secondary upper limit switch, it was discovered that there was insufficient clearance between the hook block drip pan and a drip pan installed under the hoist unit. | Inadequate Component Design |

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| 15-CANM-014 | 11/7/2014 | BRIDGE | 2 | Near Miss | N | The hoist drum wire rope on a category 2 crane was found miss-spoiled during the annual inspection. | Improper Operation |
| 15-CANM-029 | 11/13/2014 | PORTAL | 1 | Near Miss | Y | During final positioning of a tool column into a storage rack, the bottom of the tool column, which was binding on the edge of the storage rack base, slid down into the stowed position when the rigger hand manipulated the tool to free it from the binding condition. | Procedural Failure |
| 15-CANM-033 | 11/13/2014 | MOBILE | 1 | Near Miss | N | During load testing of a mobile crane, the test weights rotated unexpectedly and were in jeopardy of exceeding the allowable radius. | Procedural Failure |
| 15-CANM-022 | 11/14/2014 | PORTAL | 1 | Near Miss | N | After being informed that a hull patch was ready to lift, the rigger identified that a wire was still connected to the patch. | Inadequate Inspection of Load |
| 15-CANM-026 | 11/14/2014 | PORTAL | 1 | Near Miss | Y | Crane team personnel did not prevent a ship force member from walking in the path of a suspended load. | Procedural Failure |
| 15-CANM-024 | 11/18/2014 | BRIDGE | 3 | Near Miss | Y | The wire rope on a category 3 crane hoist drum was found miss-spoiled during the activity's annual evaluation. | Improper Operation |
| 15-CANM-038 | 11/18/2014 | PORTAL | 1 | Near Miss | Y | During crane operator training on a portal crane, the trainee selected and engaged the incorrect crane function which cause undesired movement. | Personnel Error: Operator |
| 15-CANM-035 | 11/21/2014 | BRIDGE | 2 | Near Miss | N | A rain water drain hose, which was inadvertently routed within the crane's travel envelope, was identified by the crane operator during the ODCL. | Inadequate Maintenance |
| 15-CANM-032 | 11/25/2014 | MOBILE | 1 | Near Miss | Y | While lowering a brow onto a floating platform, an emergency stop was required to prevent the brow from contacting the platforms handrail. | Poor Risk Mitigation |
| 15-CANM-030 | 12/1/2014 | | | Near Miss | N | A damaged synthetic sling was identified during the pre-use inspection. Investigation could not determine how the sling was damaged. | Inadequate Rigging Inspection |
| 15-CANM-044 | 12/1/2014 | BRIDGE | 3 | Near Miss | N | A category 3 bridge crane operated in the wrong direction during the ODCL. Investigation revealed that the crane power had been reversed phased as the results of electrical modifications to the building. | Inadequate Maintenance |
| 15-CANM-034 | 12/2/2014 | COMMERCIAL TRUCK MOUNTED | 1 | Near Miss | Y | During installation of a counterweight onto a Yokohama fender system a number of problems were identified including, failure to follow the OEM guidelines for lifting the counterweight, failure to know the weight of the load and complete complex lift requirements and failure to control water conditions caused by none critical harbor traffic. | Procedural Failure |
| 15-CANM-049 | 12/2/2014 | MOBILE | 1 | Near Miss | Y | Unapproved eye bolts were used to remove an engine from a service craft. | Inadequate Equipment Inspection |
| 15-CANM-037 | 12/5/2014 | COMMERCIAL TRUCK MOUNTED | 4 | Near Miss | Y | The winch end hoist wire rope came loose from it's anchor position inside the hoist drum. There was sufficient parts of the wire rope remaining on the drum to prevent freewheeling of the wire rope off the drum. | Equipment Failure, Crane |

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| 15-CANM-039 | 12/6/2014 | PORTAL | 1 | Near Miss | N | A portal crane traveled within 10 feet of the rail stops due to poor communication between the rigger in charge and the crane operator. | Inadequate Communication |
| 15-CANM-048 | 12/6/2014 | PORTAL | 1 | Near Miss | Y | During placement of a load into the bottom of a dry dock, the crane operator failed to follow the discussed plan for the lift and then when signaled to stop by the RIC continued to lower the load until the emergency stop signal was given. | Personnel Error: Operator |
| 15-CANM-040 | 12/9/2014 | MOBILE | 1 | Near Miss | N | Miss-spooling of the auxiliary hoist wire rope occurred when a combination of extended boom, no load and high winds occurred during crane operations causing the wire rope to drop off the boom wire rope guides. | Poor Risk Mitigation |
| 15-CANM-041 | 12/9/2014 | PORTAL | 1 | Near Miss | Y | A piece of metal scrap being craned from a shipboard hatchway rotated uncontrollably and signals to stop the hoisting direction provided to the crane operator were not followed. | Poor Risk Mitigation |
| 15-CANM-046 | 12/9/2014 | BRIDGE | 2 | Near Miss | Y | During relocation of a large steel plate, the plate approached too close to shop support equipment. The shop equipment encumbered the loads travel path creating increased and unnecessary risk and should have been moved prior to the lift. | Inadequate Job Planning |
| 15-CANM-047 | 12/9/2014 | PORTAL | 1 | Near Miss | Y | During lift preparations to relocate a security shack, a fastener on an adjacent brow platform was protruding within the lift zone and would have obstructed the lift. | Inadequate Job Planning |
| 15-CANM-053 | 12/10/2014 | MONORAIL | 3 | Near Miss | Y | A shape, being transported from storage to a work table, was not initially hoisted to the correct height causing un-necessary risk to stop the crane and readjust the height. | Poor Risk Mitigation |
| 15-CANM-051 | 12/12/2014 | BRIDGE | 2 | Near Miss | Y | A crane team lifted a staging bent out of a pit and began to lay it horizontally on the ground. A piece of angle iron, approximately one foot long, fell off the bent to the deck. Prelim report by NCCR. NCC awaiting activity final submittal. Possible CA. | Improper Operation |
| 15-CANM-036 | 12/13/2014 | FLOATING | 1 | Near Miss | N | A test weight with expired lift pad certifications was lifted off of a floating crane deck. | Inadequate Equipment Inspection |
| 15-CANM-042 | 12/15/2014 | MOBILE | 1 | Near Miss | Y | While loading conex boxes onto a trailer, contractor personnel were observed working without proper PPE, placing hands in pinch points and using their hands to control load movement rather than tag lines. | Personnel Error: Other |
| 15-CANM-054 | 1/5/2015 | MONORAIL | 3 | Near Miss | Y | During contractor demolition work, the contractor was using government synthetic slings without the required chaffing material. Additionally, category 3 cranes were being used to handle sections of scrap metal material where the weight of the material was not known. | Improper Operation |
| 15-CANM-050 | 1/12/2015 | PORTAL | 1 | Near Miss | Y | Need write-up (possible CA) Awaiting reports from activity. Preliminary reports submitted by NCCR. | Improper Operation |

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| 15-CANM-052 | 1/13/2015 | BRIDGE | 3 | Near Miss | N | An abandoned overhead speaker wire, which had come loose and was protruding into the travel path of a category 3 crane, was identified during the crane's pre-use inspection. | Improper Facility Maintenance |